

1. (Twice Amended) A gas separation system for extracting a first gas fraction and a second gas fraction from a gas mixture including the first and second fractions, the gas separation system comprising:

a stator including a stator valve surface and a plurality of function compartments opening into the stator valve surface;

a rotor rotatably coupled to the stator and including a rotor valve surface in communication with the stator valve surface, a plurality of flow paths for receiving adsorbent material therein, and a plurality of apertures provided in the rotor valve surface and in communication with the flow paths for cyclically exposing the flow paths to the function compartments; and

a surge absorber fluidly coupled to a plurality of function compartments opening into the stator valve surface by a corresponding plurality of parallel, independent flow paths, for reducing pressure variations in the function compartments.

A marked-up version of the amended claim is attached as a separate page, under the heading "MARKED-UP CLAIM"

REMARKS

Reconsideration and allowance of the subject application are respectfully requested.

Claims 1 - 9 are pending. Claim 1 is independent.

The Examiner has indicated that claims 2 - 9 contain allowable subject matter, for which the Applicant kindly thanks the Examiner.